



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/575,672
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	04/10/06
		First Named Inventor	James Croft
		Art Unit	
		Examiner Name	
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/PL/	1	1,616,639	2/8/27	Sprague	
/PL/	2	1,764,008	6/17/30	Crozier	
/PL/	3	1,799,053	3/31/31	Mache	
/PL/	4	1,809,754	6/9/31	Steedle	
/PL/	5	1,951,669	3/20/34	Ramsey	
/PL/	6	1,983,377	12/4/34	Kellogg	
/PL/	7	2,461,344	2/8/49	Olson	
/PL/	8	2,855,467	10/7/58	Curry	
/PL/	9	2,872,532	2/3/59	Buchmann et al	
/PL/	10	2,935,575	5/3/60	Bobb	
/PL/	11	2,975,243	3/14/61	Katella	
/PL/	12	2,975,307	3/14/61	Schroeder et al	
/PL/	13	3,008,013	11/7/61	Williamson et al	
/PL/	14	3,012,222	12/5/61	Hagemann	
/PL/	15	3,136,867	6/9/64	Brettell	
/PL/	16	3,345,469	10/3/67	Rod	
/PL/	17	3,373,251	3/12/68	Seeler	
/PL/	18	3,389,226	6/18/68	Peabody	
/PL/	19	3,398,810	8/27/68	Clark III	
/PL/	20	3,461,421	8/12/69	Stover	
/PL/	21	3,544,733	12/1/70	Reylek	
/PL/	22	3,612,211	10/12/71	Clark III	
/PL/	23	3,613,069	10/12/71	Cary, Jr.	
/PL/	24	3,654,403	4/4/72	Bobb, deceased	
/PL/	25	3,674,946	7/4/72	Winey	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature	Date Considered
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known		
		Application Number	10/575,672	
		Filing Date	04/10/06	
		First Named Inventor	James Croft	
		Art Unit		
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Sheet		of	Attorney Docket Number	00025-22151.PCT.US

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/PL/	26	3,710,332	1/9/73	Tischner et al	
/PL/	27	3,723,957	3/27/73	Damon	
/PL/	28	3,742,433	6/26/73	Kay et al	
/PL/	29	3,787,642	1/22/74	Young Jr.	
/PL/	30	3,821,490	6/28/74	Bobb	
/PL/	31	3,829,623	8/13/74	Willis et al	
/PL/	32	3,833,771	9/3/74	Collinson	
/PL/	33	3,836,951	9/17/74	Geren et al	
/PL/	34	3,892,927	7/1/75	Lindenberg	
/PL/	35	3,919,499	11/11/75	Winey	
/PL/	36	3,941,946	3/2/76	Kawakami et al	
/PL/	37	3,997,739	12/14/76	Kishikawa et al	
/PL/	38	4,015,089	03/29/77	Ishii et al.	
/PL/	39	4,056,742	11/1/77	Tibbetts	
/PL/	40	4,064,375	12/20/77	Russell et al	
/PL/	41	4,160,882	7/10/79	Driver	
/PL/	42	4,207,571	6/10/80	Passey	
/PL/	43	4,210,786	7/1/80	Winey	
/PL/	44	4,242,541	12/30/80	Ando	
/PL/	45	4,245,136	1/13/81	Krauel, Jr.	
/PL/	46	4,284,921	8/18/81	Lemonon et al	
/PL/	47	4,289,936	9/15/81	Civitello	
/PL/	48	4,295,214	10/13/81	Thompson	
/PL/	49	4,322,877	4/6/82	Taylor	
/PL/	50	4,378,596	3/29/83	Clark	
/PL/	51	4,385,210	5/24/83	Marquiss	
/PL/	52	4,418,404	11/29/83	Gordon et al	
/PL/	53	4,419,545	12/6/83	Kuindersma	
/PL/	54	4,429,193	1/31/84	Busch-Vishniac et al	

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/PL/	55	4,434,327	2/28/84	Busch-Vishniac et al	
/PL/	56	4,439,642	3/27/84	Reynard	
/PL/	57	4,471,172	9/11/84	Winey	
/PL/	58	4,480,155	10/30/84	Winey	
/PL/	59	4,550,228	10/29/85	Walker et al	
/PL/	60	4,558,184	12/10/85	Busch-Vishniac et al	
/PL/	61	4,593,160	6/3/86	Nakamura	
/PL/	62	4,593,567	6/10/86	Isselstein et al	
/PL/	63	4,600,891	07/1986	Taylor, Jr. et al.	
/PL/	64	4,672,591	6/9/87	Breimesser et al	
/PL/	65	4,695,986	9/22/87	Hossack	
/PL/	66	4,751,419	6/14/88	Takahata	
/PL/	67	4,784,915	11/15/88	Sakagami et al.	
/PL/	68	4,803,733	2/7/89	Carver et al	
/PL/	69	4,823,908	4/25/89	Tanaka et al	
/PL/	70	4,837,838	6/6/89	Thigpen et al	
/PL/	71	4,885,781	12/5/89	Seidel	
/PL/	72	4,887,246	12/12/89	Hossack et al	
/PL/	73	4,888,086	12/19/89	Hossack et al	
/PL/	74	4,903,703	2/27/90	Igarashi et al	
/PL/	75	4,908,805	3/13/90	Sprenkels et al	
/PL/	76	4,939,784	7/3/90	Bruney	
/PL/	77	4,991,148	2/5/91	Gilchrist	
/PL/	78	5,054,081	10/1/91	West	
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/PL/	80	5,115,672	5/26/92	McShane et al	
/PL/	81	5,142,511	8/25/92	Kanai et al	
/PL/	82	5,153,859	10/6/92	Chatigny et al	
/PL/	83	5,287,331	2/15/94	Shindel et al	

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/PL/	84	5,317,543	5/31/94	Grosch	
/PL/	85	5,357,578	10/18/94	Taniishi	
/PL/	86	5,392,358	2/21/95	Driver	
/PL/	87	5,430,805	7/4/95	Stevenson et al	
/PL/	88	5,487,114	1/23/96	Dinh	
/PL/	89	5,539,705	07/1996	Akerman et al.	
/PL/	90	5,638,456	6/10/97	Conley et al	
/PL/	91	5,700,359	12/23/97	Bauer	
/PL/	92	5,767,609	06/16/98	Suganuma	
/PL/	93	5,745,582	04/1998	Shimpuku et al.	
/PL/	94	5,758,177	05/1998	Gulick et al.	
/PL/	95	5,859,915	1/12/99	Norris	
/PL/	96	5,885,129	3/23/99	Norris	
/PL/	97	5,889,870	3/30/99	Norris	
/PL/	98	5,892,315	04/06/99	Gipson et al.	
/PL/	99	5,982,805	11/09/99	Kaneda	
/PL/	100	6,011,855	1/4/00	Selfridge et al	
/PL/	101	6,044,160	03/28/00	Norris	
/PL/	102	6,108,427	8/22/00	Norris et al	
/PL/	103	6,064,259	05/2000	Takita	
/PL/	104	6,151,398	11/21/00	Norris	
/PL/	105	6,188,772	2/13/01	Norris et al	
/PL/	106	6,229,899	5/8/01	Norris et al	
/PL/	107	6,232,833	05/2001	Pullen	
/PL/	108	6,304,662	10/16/01	Norris et al	
/PL/	109	6,359,990	03/2002	Norris	
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/PL/	111	6,445,804	09/2002	Hirayanagi	
/PL/	112	6,556,687	04/290/3	Manabe	
/PL/	113	6,768,376	07/2004	Hoyt et al.	

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/PL/	114	6,859,096	02/2005	Tanaka et al.	
/PL/	115	1,643,791	04/1924	Slepian	
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/PL/	120	5,748,758	05/1998	Menasco, Jr. et al.	
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/PL/	122	6,108,433	08/22/00	Norris	
/PL/	123	2002/0191808	12/19/02	Croft III. et al.	
/PL/	124	2002/0101360	08/01/02	Schrage	
/PL/	125	6,771,785	08/03/04	Pompei	
/PL/	126	5,662,190	09/02/97	Abe	
/PL/	127	2001/0007591	07/12/01	Pompei	
/PL/	128	6,666,374	12/23/03	Green et al.	
/PL/	129	6,584,205	06/24/03	Croft III	
/PL/	130	6,577,738	06/10/03	Norris et al.	
/PL/	131	3,641,421	02/08/72	Graf et al.	
/PL/	132	4,005,278	01/25/77	Gorike	
/PL/	133	4,265,122	05/05/81	Cook et al.	
/PL/	134	4,418,248	11/29/83	Mathis	
/PL/	135	4,429,194	01/31/84	Kamon et al.	
/PL/	136	4,432,079	02/14/84	Mackelburg et al.	
/PL/	137	4,433,750	02/28/84	Neese	
/PL/	138	5,181,301	01/26/93	Wheeler	
/PL/	139	5,844,998	12/01/98	Nageno	
/PL/	140	4,994,687	02/12/91	Cyano et al. Fujii et al.	
/PL/	141	5,052,336	04/18/00	Lowrey, III Fukuchi	
/PL/	142	4,166,197	08/28/79	Moog, et al.	
/PL/	143	2,825,834	07/23/74	Stuart et al.	

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/PL/	1	ULTRASONIC RANGING SYSTEM by Polaroid Corporation, date unknown, 19 pages.	
/PL/	2	EXCERPTS FROM ON COMBINATION TONES by Helmholtz, Editor's Comments on Paper 16, pages 228-238, date unknown.	
/PL/	3	AOKI, KENICHI et al. "PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991)	
/PL/	4	MAKAROV, et al. "PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR", Acustica, Vol. 77, pp. 240-242 (1992)	
/PL/	5	YONEYAMA, et al, THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, J. Acoustical Society of America 73(5), May 1983, pages 1532-1536	
/PL/	6	CRANDALL, I.B. "The Air-Damped Vibrating System: Theoretical Calibration of the Condenser Transmitter, American Physical Society, Dec. 28, 1917, pages 449-460	
/PL/	7	Peter J. W., "PARAMETRIC ACOUSTIC ARRAY", The Journal of the Acoustical Society of America, Volume 35, Number 1, April 1963, pages 535-537	
/PL/	8	Wagner, Ronald, ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION, Chapters 4 and 5, pages 59-91, Audio Amateur Press Publishers, 1993	
/PL/	9	BERKTAY, H.O. "POSSIBLE EXPLOITATION OF NON-LINEAR ACOUSTICS IN UNDERWATER TRANSMITTING APPLICATIONS", Department of Electronic and Electrical Engineering University of Birmingham, Edgbaston, Birmingham 15, England (Received April 13, 1965)	
/PL/	10	BERKTAY, H.O. et al. "Arrays of Parametric Receiving Arrays," The Journal of the Acoustical Society fo America, pp. 1377-1383.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/575,672		
		Filing Date	4/10/2006		
		First Named Inventor	CROFT, JAMES J. III		
		Art Unit			
Examiner Name					
Sheet		of		Attorney Docket Number	00025-22151.PCT.US

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/PL/	11	PIWNICKI, KONRAD, "Modulation Methods Related to Sine-Wave Crossings" IEEE Transactions on Communications, 1983, pgs. 503-508, Vol. COM-31, No. 4.	
/PL/	12	MARVASTI, FAROKH, "Modulation Methods Related to Sine Wave Crossings" IEEE Transactions on Communications, 1985, pgs. 177-178, Vol. COM-33, No 2.	
/PL/	13	Pompei; The Use of Airborne Ultrasonics for Generating Audible Sound Beams; Presented at the 105th Convention 1998 September 26-29.	
/PL/	14	MOFFETT et al. "Model for parametric acoustic sources." J. Acoust. Soc. Am., Feb 1977, pgs. 325-337, Vol. 61. No. 2	
/PL/	15	Kamakura, et al.; Suitable Modulation of the Carrier Ultrasound for Parametric Loudspeaker; Acustica Vol. 73 (1991), 3 pages.	
/PL/	16	Berkday, et al.; Nearfield effects in end-fire line arrays; The Journal of the Acoustical Society of America; 1973; pgs. 550-556	
/PL/	17	KAMAKURA et al. "Developments of Parametric Loudspeaker for Practical Use." 10th International Symposium on Nonlinear Acoustics, 1984, pages 147-150.	
/PL/	18	Muir, et al.; Parametric Acoustic Transmitting Arrays; The Journal of the Acoustical Society of America; 1972; pgs. 1481 - 1485	
/PL/	19	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 2 pages. date unknown.	
/PL/	20	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 11 pages. date unknown.	

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/PL/	21	WILLETTE et al. "Harmonics of the difference frequency in saturation-limited parametric sources." J. Acoust. Soc. Am., Dec. 1977, pgs. 1377-1381, Vol. 62, No. 6.	

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